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USER GUIDE

# Remote Screen/Print Sharing Extender over WIFI / LAN with KVM

Model #: HDM-SHAREPRO-IP

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# Section 1: Getting Started

## 1.1 Important Safeguards

**Please read all of these instructions carefully before you use the device. Save this manual for future reference.**

**What the warranty does not cover**

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
- Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
- Repair or attempted repair by anyone not authorized by us.
- Any damage of the product due to shipment.
- Removal or installation of the product.
- Causes external to the product, such as electric power fluctuation or failure.
- Use of supplies or parts not meeting our specifications.
- Normal wear and tear.
- Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

## 1.2 Safety Instructions

The Avenview HDM-SHAREPRO-IP, RJ45 to HDMI Converter has been tested for conformity to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment's, the HDM-SHAREPRO-IP should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Do not dismantle the housing or modify the module.
- Dismantling the housing or modifying the module may result in electrical shock or burn.
- Refer all servicing to qualified service personnel.
- Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Have the module checked by a qualified service engineer before using it again.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

## 1.3 Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

## 1.4 Introduction

HDM-SHAREPRO-IP is an ideal networking display solution; it allows multiple users on the same Ethernet network to access the display without physically connect their computer directly to the display! The product supports ONLY ONE connection at a time. Users can now enjoy their favorite multimedia content stored on their computer from anywhere in their home or office. HDM-SHAREPRO-IP also act as a display extender that supports up to 1920*1080 resolutions with primary display, mirror desktop and extended desktop video modes!

- Support 1080p Video over TCP/IP,LPR,DHCP,UPnP
- Support USB Keyboard and Mouse Wired/Wireless
- Supports 500mA electric current for every USB port;
- Digital Video HDMI with Audio
- Analog Video with VGA and Audio connection
- Analog 3.5mm Audio out connection
- Converts RJ45 to HDMI
- Ethernet IEEE 802 3 10Base IEEE
- Standards:802.3 10Base-T;802.3U 100Base-T
- Network Interface:10/100/1000Mbps RJ45
- Supports the resolution up to 1080p
- Allows multiple users to share a Multi-Function Print (MFP) over a network to print, scan, and fax from any networked computer;
- Supports Windows 7,Vista and XP

## 1.5 Package Contents

Before you start the installation of HDM-SHAREPRO-IP, please check the STANDARD package contents.

- HDM-SHAREPRO-IP x 1
- Power Adapter (5VDC) x 1
- User Manual x 1
- Installation Disc x 1

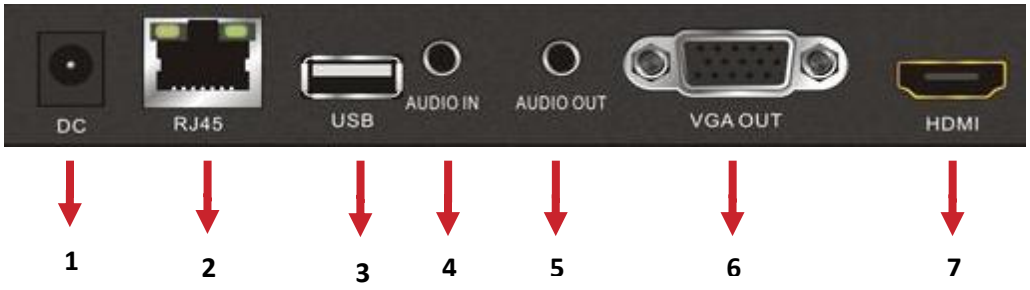
## 1.6 Before Installation

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.

## 1.7 Device Description & Layout

This product is composed of a Converter RJ45 to HDMI

### FRONT PANEL & REAR PANEL (Transmitter, HDM-C6IP-S)




| | |
|---|---|
| **1. +5V DC:** Connect to 5V DC power supply | **3. USB INPUT:** Connect ANY mouse/keyboard wired/wireless adapter. |
| **2. CAT/6:** Plug in a CAT6 cable that is connected to your router on the same IP Network | **4. 3.5mm Jack:** Stereo audio INPUT connection for VGA connection. |
| **5. 3.5mm Jack:** Stereo audio OUTPUT connection for VGA connection. | **6. VGA:** Connects to VGA Monitor with a male-male cable. |
| **7. HDMI OUT:** Connects to a HDMI monitor with a HDMI male-male cable | |

***Note:** Preferred CAT6 and Gigabit 10/1000 Router to ensure HD1080p resolution without delay in transmission*

- *Important Before starting the insulation please ensure that all devices are powered OFF*

## 1.8 Installation A

Please ensure all the package contents are all received.

To setup Avenview HDM-SHAREPRO-IP follow these steps for connecting directly to a Monitor as a CONVERTER:

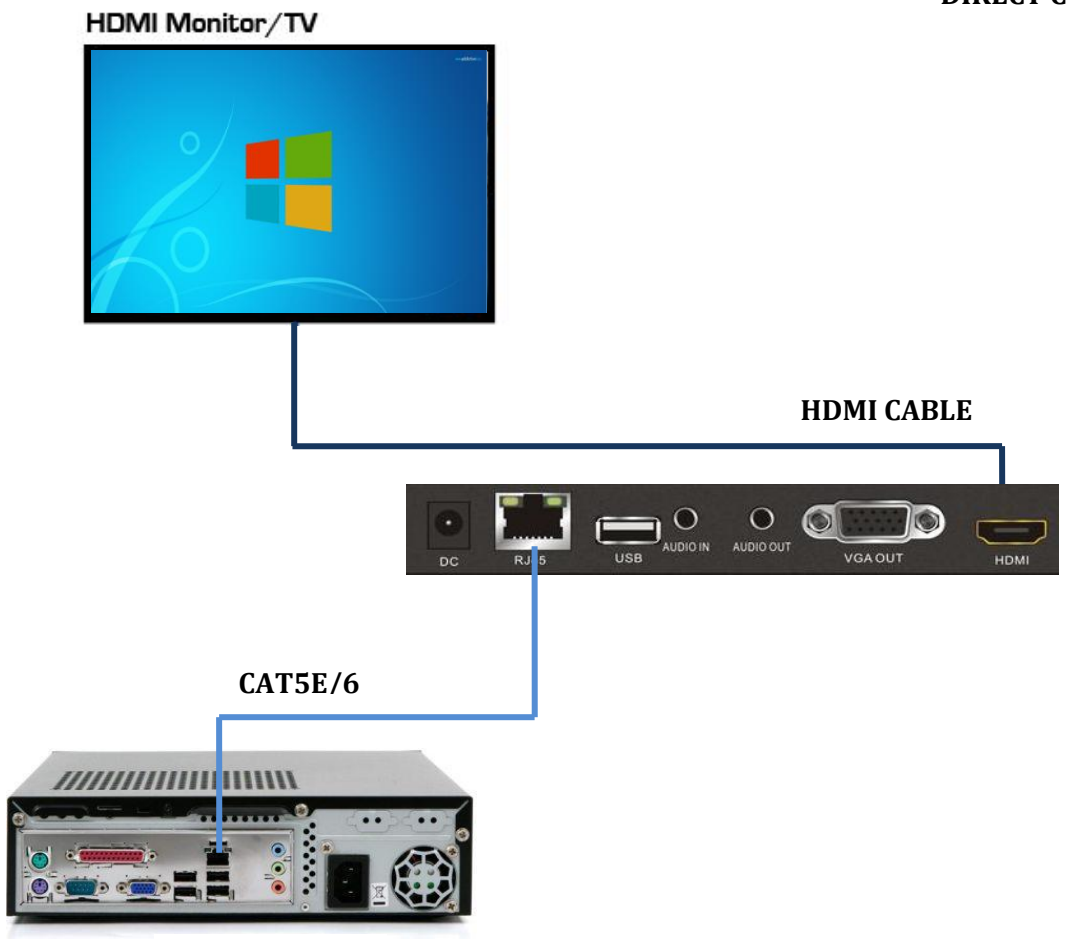
1. Connect Converter to CPU with RJ45 cable; follow the standards of TIA-568BLAN

2. Connect your HDMI OR VGA display (such as a LCD TV/PLASMA) to the HDMI OR VGA Port on the HDM-SHAREPRO-IP.

3. Make sure CAT-5E/6 LAN cable is tightly connected and not loose.

5. Plug in 5V DC power cord to the power jack of the transmitting unit HDM-SHAREPRO-IP.

**DIRECT CONNECTION**



## 1.9 Installation B

Please ensure all the package contents are all received.

To setup Avenview HDM-SHAREPRO-IP follow these steps for connecting to a Remote Monitor.

1. Connect HDM-SHAREPRO-IP to Wireless or Wired Router with RJ45 cable at the desired Monitor; follow the standards of TIA-568BLAN

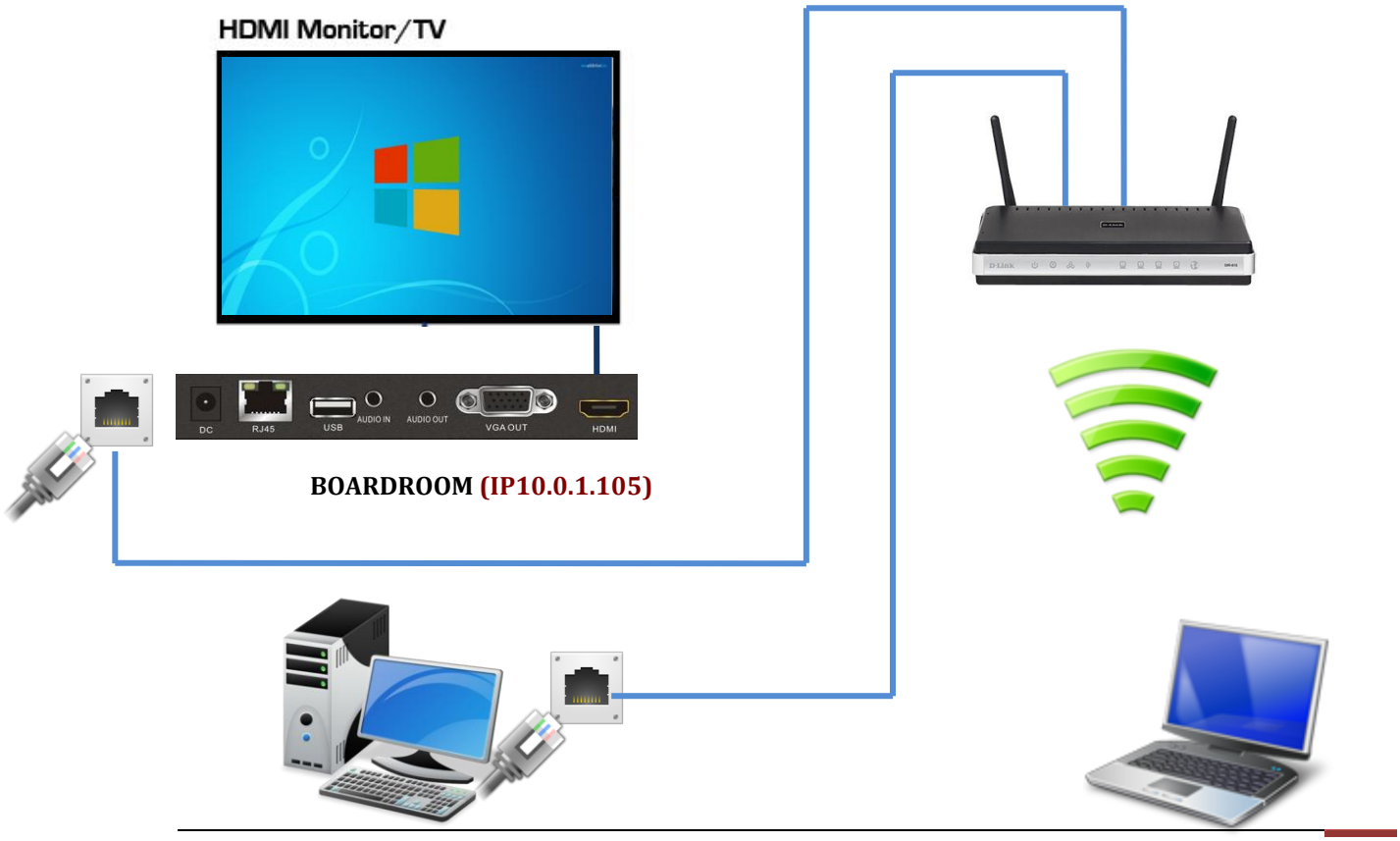
2. Connect your HDMI OR VGA display (such as a LCD TV/PLASMA) to the HDMI OR VGA Port on the HDM-SHAREPRO-IP.

3. Make sure CAT-5E/6 LAN cable is tightly connected and not loose.

5. Plug in 5V DC power cord to the power jack of the transmitting unit HDM-SHAREPRO-IP.

**BOTH OFFICES CAN USE THIS PRODUCT ONCE THE SOFTWAR IS INSTALLED (NB: One at a Time)**

**ROUTER CONNECTION**



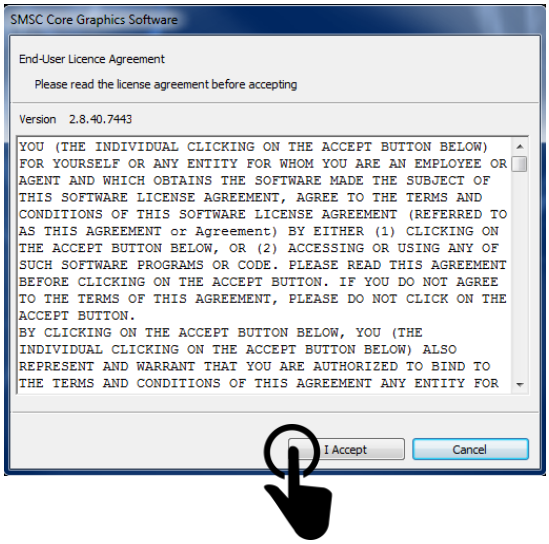

**BOARDROOM (IP10.0.1.105)**

**CPU WIRED @ OFFICE 2 (IP10.0.1.106)**

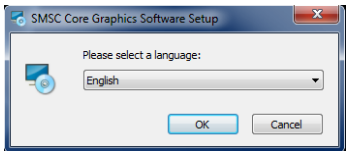
**LAPTOP WIRELESS @ OFFICE 1 (IP10.0.1.107)**

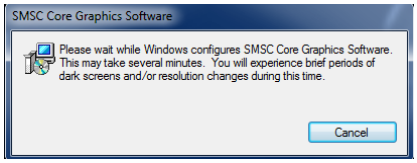
## 1.10 Installation of Driver and Control Software.

**Insert Disk and run the Driver.exe file**


SMSC Core Graphics Software
End-User Licence Agreement
Please read the license agreement before accepting
Version 2.8.40.7443
YOU (THE INDIVIDUAL CLICKING ON THE ACCEPT BUTTON BELOW) FOR YOURSELF OR ANY ENTITY FOR WHOM YOU ARE AN EMPLOYEE OR AGENT AND WHICH OBTAINS THE SOFTWARE MADE THE SUBJECT OF THIS SOFTWARE LICENSE AGREEMENT, AGREE TO THE TERMS AND CONDITIONS OF THIS SOFTWARE LICENSE AGREEMENT (REFERRED TO AS THIS AGREEMENT or Agreement) BY EITHER (1) CLICKING ON THE ACCEPT BUTTON BELOW, OR (2) ACCESSING OR USING ANY OF SUCH SOFTWARE PROGRAMS OR CODE. PLEASE READ THIS AGREEMENT BEFORE CLICKING ON THE ACCEPT BUTTON. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, PLEASE DO NOT CLICK ON THE ACCEPT BUTTON.
BY CLICKING ON THE ACCEPT BUTTON BELOW, YOU (THE INDIVIDUAL CLICKING ON THE ACCEPT BUTTON BELOW) ALSO REPRESENT AND WARRANT THAT YOU ARE AUTHORIZED TO BIND TO THE TERMS AND CONDITIONS OF THIS AGREEMENT ANY ENTITY FOR
I Accept
Cancel

Select your preferred Language.





SMSC Core Graphics Software
Please wait while Windows configures SMSC Core Graphics Software. This may take several minutes. You will experience brief periods of dark screens and/or resolution changes during this time.
Cancel

**From Disk run the Software.exe file**

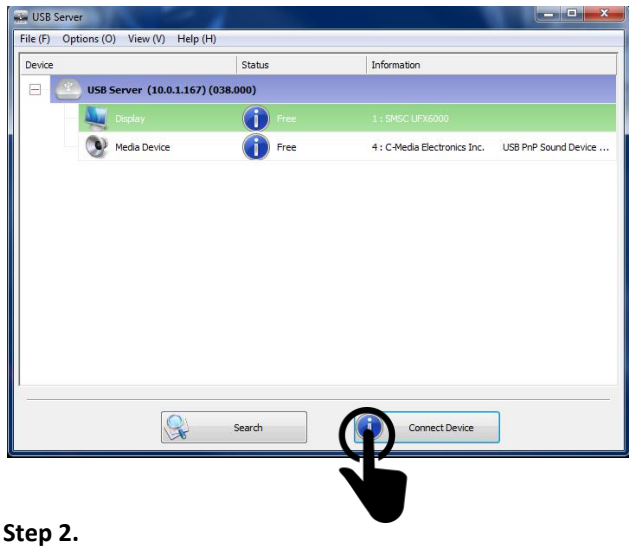
Accept and wait for install to be completed automatically
When completed restart the computer.

*You will experience brief periods of dark screens and /or resolution changes during this time.*

## 1.11 Control Software

**Step 1.**

**Double-click ICON USB Server file**:
On first use, click search and then the software will search the HDM-SHAREPRO-IP automatically.
System will display video converter searched out
**Click :** (The preferred device to be connected-**DISPLAY or MEDIA DEVICE**)
**Click B:** (connect the device), the converter will be automatically connected.
***Note :( The system will set up the driver automatically for the first connection***) connect the required one by one.
***Note :( It is normal if the display is black for seconds in this process.)***

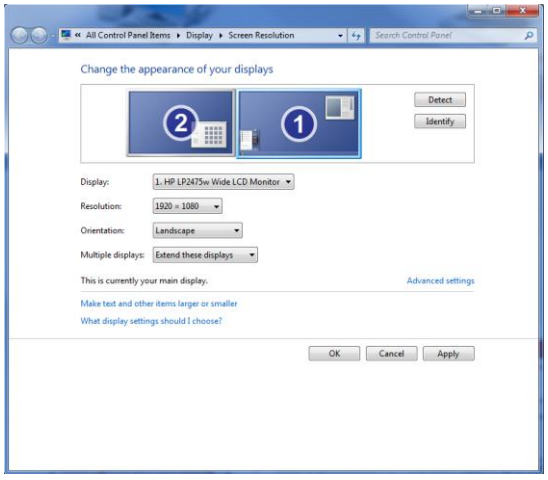



**Either or Both Selected**

**Step 2.**

**Open Control Panel/Display/Screen Resolution**, the HDMI output resolution can be set.

Take Windows 7 as example:




A. Select the display that needs to adapt. 1 Display is input computer and 2 Display is output device by default.
B. Set up the resolution
C. Set up the display direction
D. Set up the display mode

***Note: Short-cut Function: Press"Win+P" to see the following images***.

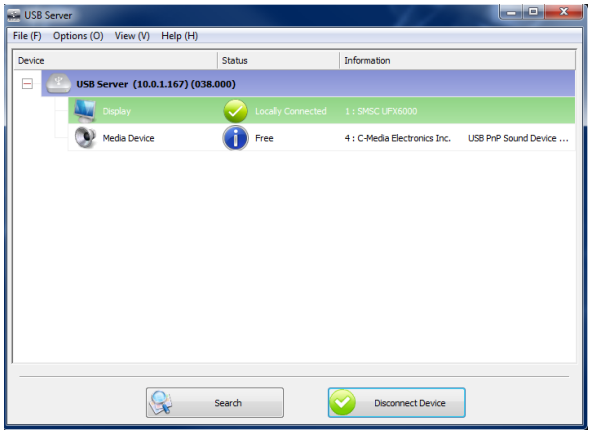
From left to right, Computer only, Duplicate, Extend and Projector only. You can easily switch display mode.

**From left to** right, Computer only, Duplicate, Extend and Projector only**. You can easily switch display mode.**

*Short-cut function cannot be applied by some computers due to compatibility*

## 1.12 Disconnect Software

A. Select the device
B. Click the button to disconnect the chose device.




*If the software refuses to disconnect, please power off the converter. Make sure to store all files before power off.*

## Section 3: General Troubleshooting

| Problem | Possible Solution |
|---|---|
| **No video output** | • Please make sure that all cables properly connected.<br>• Please disconnect the connectivity in software and re-connect or re-install the driver. |
| **No Audio or Mouse Response** | • The connectivity will be always disturbed by unstable network.<br>• Please disconnect the connection of audio and mouse in software. |
| **Display will show "Be sure to disconnect the device and exit?" when USB server is closed.** | • Power off the converter or re-boot the computer. |
| **Connect VGA and HDMI output simultaneously, but VGA no display** | A: Please select VGA or HDMI output before the converter is powered on. |

## Section 4: Specifications

| Item | Description | |
|---|---|---|
| **Units** | HDM-SHAREPRO-IP | |
| **Unit Description** | RJ45 TO HDMI CONVERTER | |
| **HDMI Compliance** | Full HD | |
| **HDCP Compliance** | Yes | |
| **Supported Resolutions** | 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz | |
| **Audio Support** | Stereo Audio | |
| **USB Support** | Multi-Function Print (MFP) over a network from any networked computer; | |
| **USB Support** | Wired or Wireless Keyboard Mouse/Supports 500mA electric current 2x USB | |
| **Input** | 1 x 3.5mm Audio ,2 x USB, 1 x RJ45 | |
| **Output** | 1x VGA + 3.5mm Stereo Audio | 1x HDMI + 1x 3.5mm |
| **HDMI Connector** | Type A (19 pin female) | |
| **RJ45 Connector** | WE/SS 8P8C with 2 LED indicators | |
| **Power Adapter** | 1 X DC 5V/1A | |
| **Power Consumption** | 3W Max Each | |
| **Dimension L x W x H** | 6.75” x 2.5” x 1" | |
| **Weight** | 245g | |

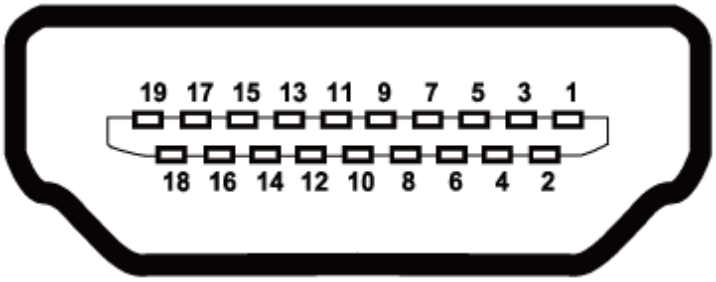
***Environmental***

| | |
|---|---|
| **Operating Temperature** | 32˚ ~ 104˚F (0˚ to 40˚C) |
| **Storage Temperature** | -4˚ ~ 140˚F (-20˚ ~ 60˚C) |
| **Relative Humidity** | 20~90% RH (no condensation) |

### Performance Guide for HDMI over Category Cable Transmission

| Performance rating | | Type of category cable | | |
|---|---|---|---|---|
| **Wiring** | **Shielding** | **CAT5** | **CAT5e** | **CAT6** |
| **Solid** | Unshielded (UTP) | ★★★ | ★★★★ | ★★★★★ |
| | Shielded (STP) | ★★★ | ★★★ | ★★★★ |
| **Stranded** | Unshielded (UTP) | ★ | ★★ | ★★ |
| | Shielded (STP) | ★ | ★ | ★★ |
| **Termination** | | Please use **EIA/TIA-568-B** termination (**T568B**) at any time | | |

## 4.1 PIN & Wiring Standard Definition




**Type A (Receptacle) HDMI**

| | | | |
|---|---|---|---|
| Pin 1 | TMDS Data2+ | Pin 11 | TMDS Clock Shield |
| Pin 2 | TMDS Data2 Shield | Pin 12 | TMDS Clock– |
| Pin 3 | TMDS Data2– | Pin 13 | CEC |
| Pin 4 | TMDS Data1+ | Pin 14 | Reserved (N.C. on device) |
| Pin 5 | TMDS Data1 Shield | Pin 15 | SCL |
| Pin 6 | TMDS Data1– | Pin 16 | SDA |
| Pin 7 | TMDS Data0+ | Pin 17 | DDC/CEC Ground |
| Pin 8 | TMDS Data0 Shield | Pin 18 | +5V Power |
| Pin 9 | TMDS Data0– | Pin 19 | Hot Plug Detect |
| Pin 10 | TMDS Clock+ | | |

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